

# Notice of Allowability

Application No.

09/643,507

Examiner

Peng Ke

Applicant(s)

CARLIN ET AL.

Art Unit

2174

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 01/03/05.
2. ☒ The allowed claim(s) is/are 1-51.
3. ☒ The drawings filed on 22 August 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

*Kristine Lincaid*  
K. LINCAID  
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TECHNOLOGY CENTER 2100

***Reason For Allowance***

The following is an examiner's statement of reasons for allowance:

The prior arts either alone or in combination of fail to recite the limitation of claim 1:

producing at a first computer upon a digital communications network

wherein the object, having an associated geometry, is rendered in proper (1) scale, (2) position and (3) rotation within the perspective view image;

wherein the entire computer-generated perspective view image is rendered and viewed with the same proper perspective that a conventional photo of the same scene would exhibit, if captured by a camera; and

And in combination with other claimed features.

The prior arts either alone or in combination of fail to recite the limitation of claim 13:

displaying at the first computer this (viii) perspective view image; wherein, given a particular 3D scene, selection of an iconic image with which is associated a selected 3D model, and location of the object within the 3D scene, permits generation of a perspective view image of the selected suitably-real-world object; in proper perspective within the selected suitably-real-world 3D scene;

wherein image selection made interactively over a digital network transpiring entirely in 2D supports the generation of a perspective view image of proper perspective showing an object located and oriented within a 3D scene.

And in combination with other claimed features.

The prior arts either alone or in combination of fail to recite the limitation of claims 22 and 37:

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generating at the server from the (4a) 3D model of the real-world space, the (5a) 3D model of the real-world object and the (6) plurality of object-based rules, a (7) static perspective view image of a (7a) 3D real-world object corresponding to the (3a) selected icon properly located and oriented relative to a (7b) 3D real-world space corresponding to the (1a) selected real-world 2D scene image this static perspective view image being proper in each of scene lighting, camera location and orientation, and camera lens parameters; and

wherein from this third-communicated (7) static perspective view image the (7a) 3D real-world object properly located and oriented relative to the (7b) 3D real-world space may be observed at the client; and

fourth communicating from the client upon the digital communications network to the server a sales order to physically provide a real specimen of the (7a) 3D real-world object;

wherein obtaining the sales order for the (7a) 3D real world object is promoted by the (7) static perspective view image showing at the client the (7a) 3D real-world object properly located and oriented relative to the (7b) 3D real-world space.

And in combination with other claimed features.

#### ***Contact information***

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peng Ke whose telephone number is (571) 272-4062. The examiner can normally be reached on M-Th and Alternate Fridays 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine L Kincaid can be reached on (571) 272-4063. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Peng Ke